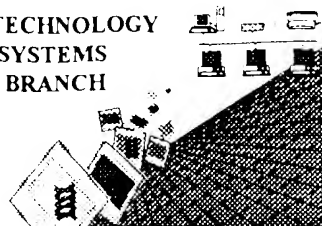


B. Whiteman

BIOTECHNOLOGY
SYSTEMS
BRANCH



#11

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/932,451C

Source:

1622 RUSH

Date Processed by STIC:

3/6/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER** **VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>> , EFS Submission

User Manual - ePAVE)

2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202

3. Hand Carry directly to:

U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202

Official Express, Certified Mail, Registered Mail

Box Sequence, Room 1B05 Mailroom, U.S. Patent and Trademark Office, 1500 Jefferson Davis Highway, Arlington, VA 22202

Revised 01/29/2002

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 09/932,451C

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 ✓ PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.



RAW SEQUENCE LISTING

DATE: 03/06/2003

PATENT APPLICATION: US/09/932,451C

TIME: 10:20:11

Input Set : A:\SEQLIST.txt

Output Set: N:\CRF4\03062003\I932451C.raw

3 <110> APPLICANT: OZAWA, Kojiya
4 SHIMPO, Masahisa
5 IKEDA, Tichio
6 MAEDA, Yoshikazu
7 SHIMADA, Kazuyuki
8 <120> TITLE OF INVENTION: ADENO-ASSOCIATED VIRUS-MEDIATED DELIVERY OF ANGIOGENIC
9 FACTORS
10 <130> FILE REFERENCE: 0800-0026

C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/932,451C
C--> 15 <141> CURRENT FILING DATE: 2001-08-17

16 <150> PRIOR APPLICATION NUMBER: 60/226,056
17 <151> PRIOR FILING DATE: 2000-08-17
18 <160> NUMBER OF SEQ ID NOS: 2
19 <170> SOFTWARE: PatentIn Ver. 2.0
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 576
22 <212> TYPE: DNA
23 <213> ORGANISM: Artificial Sequence
24 <220> FEATURE:
25 <223> OTHER INFORMATION: Description of Artificial Sequence: VEGF-165
26 <224> FEATURE:
27 <221> NAME/KEY: CDS
28 <222> LOCATION: (1)..(576)
29 <400> SEQUENCE: 1

30
31 Met Asn Phe Leu Leu Pro Thr Val His Thr Ser Leu Ala Leu Leu Asp
32 10 20 30
33 Gln Arg Lys Ile Leu Thr Ser Ile Thr Ile Thr Thr Thr Thr
34 40 50 60
35 Tyr Leu His Ala Lys Thr Ser Leu Ala Ile Met Ala His Gly
36 70 80 90
37 GGG GGG GAG GAG GAG GGA GAA GAG GAG GAG GAG GAG GAG GAG GAG GAG 100
38 Gly Gly Gln Asn His His Glu Val Val Lys Phe Met Asp Val Tyr Gln
39 110 120 130
40 ATG GTT GAT GAT GAT GAT GAT GAT GAT GAT GAT GAT GAT GAT GAT GAT 140
41 Arg Ser Tyr Thr His Leu Ile Val Thr Leu Val Asn Leu Ile Leu Leu
42 150 160 170

Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/932,451C

DATE: 10/06/2003

TIME: 10:20:11

Input Set : A:\SEQLIST.txt

Output Set: N:\CRF4\03062003\I932451C.raw

```

62 Thr Glu Glu Ser Asn Ile Thr Met Gln Ile Met Arg Ile Lys Pro His
63      100      105      110
65 caa ggc cag cac ata gga gag atg agc ttc cta cag cac aac aaa tgt 384
66 Gln Gly Gln His Ile Gly Glu Met Ser Phe Leu Gln His Asn Lys Cys
67      115      120      125
69 gaa tgc aga cca aag aaa gat aga gca aga caa gaa aat ccc tgt ggg 432
70 Glu Cys Arg Pro Lys Lys Asp Arg Ala Arg Gln Glu Asn Pro Cys Gly
71      130      135      140
73 cct tgc tca gag cgg aga aag cat ttg ttt gta caa gat ccg cag acg 480
74 Pro Cys Ser Glu Arg Arg Lys His Leu Phe Val Gln Asp Pro Gln Thr
75      145      150      155      160
77 tgt aag tgt tcc tgc aaa aac aba gac tgc cgt tgc aac ggc aag caq 528
78 Cys Lys Cys Ser Cys Lys Asn Thr Asp Ser Arg Cys Lys Ala Arg Gln
79      165      170      175
81 ctt gag tta aat gaa cgt act tgc aga tgt gac aag ccg agg cgg tga 576
82 Leu Glu Leu Asn Glu Arg Thr Cys Arg Cys Asp Lys Pro Arg Arg
83      180      185      190

```

84 <210> SEQ ID NO: 2

85 <211> LENGTH: 191

86 <212> TYPE: PRT

87 <213> ORGANISM: Artificial Sequence

W--> 91 <220> FEATURE:

W--> 91 <223> OTHER INFORMATION:

W--> 91 <400> 2

```

91 Met Asn Phe Leu Leu Ser Trp Val His Trp Ser Leu Ala Leu Leu Leu
92      1      5      10      15
93 Tyr Leu His His Ala Lys Trp Ser Gln Ala Ala Pro Met Ala Glu Gly
94      20      25      30
95 Gly Gly Gln Asn His His Glu Val Val Lys Phe Met Asp Val Tyr Gln
96      35      40      45
101 Arg Ser Tyr Cys His Pro Ile Glu Thr Leu Val Asp Ile Phe Gln Glu
102      50      55      60
104 Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys Pro Ser Cys Val Pro Leu
105      65      70      75
107 Met Asn Cys Lys Lys Tyr Tyr Asp Asp Lys Gln Leu His Tyr Val Leu
108      80      85      90
110 Thr His Val Ser Asn Ile Thr Met Gln Ile Met Asn Ile Lys Ile His
111      95      100      105
113 Gln Gly Gln His Ile Lys Ala Met Ser Phe Leu Asn His Asn Lys Tyr
114      110      115      120      125
116 Glu Cys Arg Pro Lys Lys Asp Arg Ala Arg Gln Glu Asn Pro Cys Gly
117      130      135      140
119 Pro Cys Ser Glu Asn Asn Lys His Leu Ile Val Gln Asp Pro Gln Thr
120      145      150      155      160
122 Thr Tyr Thr Ser Thr Asn Thr Asn Leu Asn Thr Lys Ala Arg Thr

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/932,451C

DATE: 03/06/2003
TIME: 10:20:12

Input Set : A:\SEQLIST.txt

Output Set: N:\CRF4\03062003\I932451C.raw

Use of <220> Feature(NEW RULES):

Sequence(s) are missing the <220> Feature and associated headings.

Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32) (Sec.1.823 of new Rules)

Seq#:2

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/932,451C

DATE: 08/16/2005

TIME: 10:20:12

Input Set : A:\SEQLIST.txt

Output Set: N:\CRF4\03062003\I932451C.raw

L:14 M:270 C: Current Application Number differs, Replaced Application Number
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:91 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:2, <213>
ORGANISM:Artificial Sequence
L:91 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:2, <213>
ORGANISM:Artificial Sequence
L:91 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:2,Line#:91